

FIG. 3 (PRIOR ART)

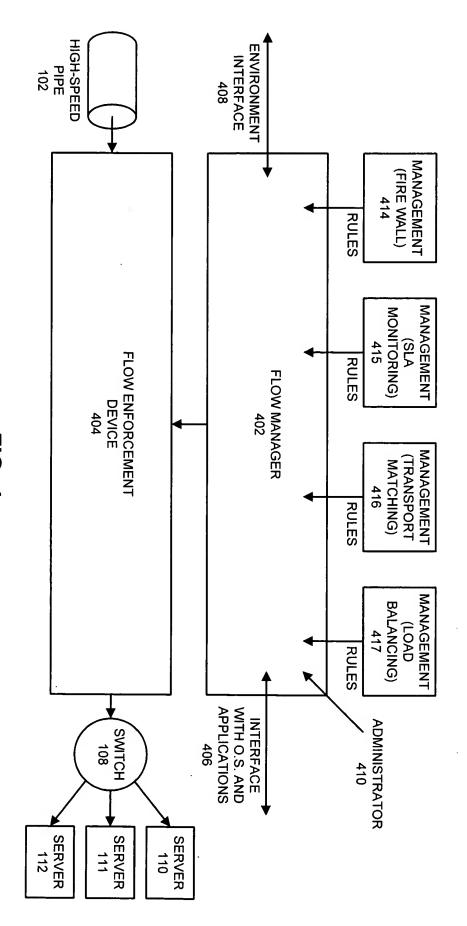


FIG. 4

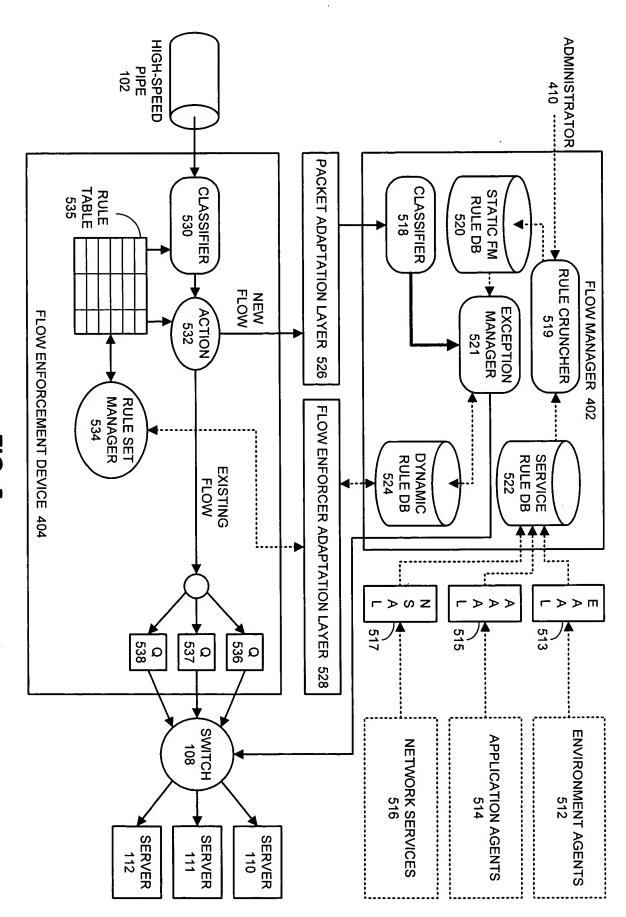
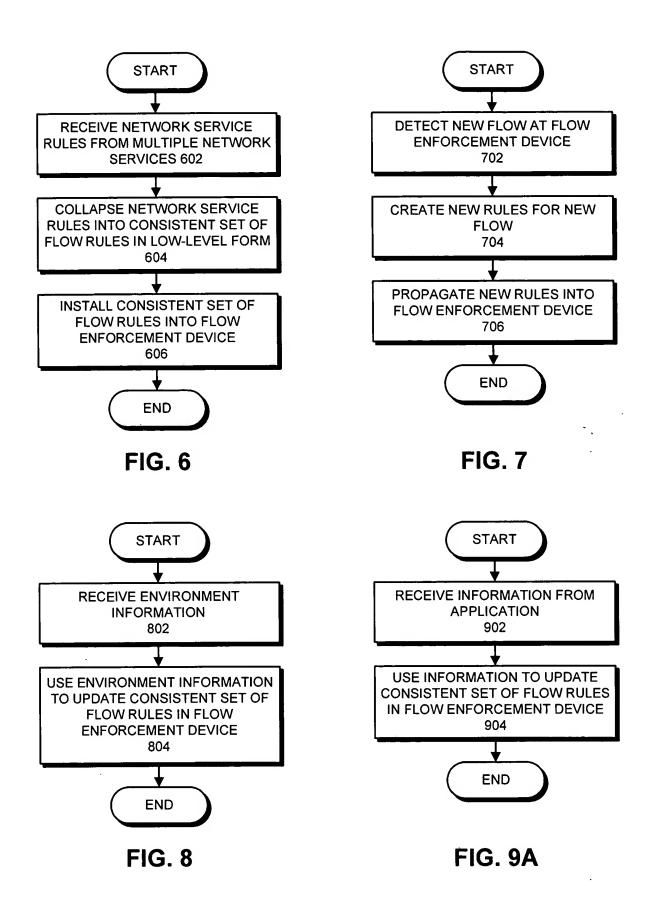
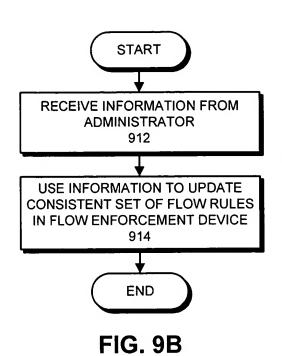


FIG. 5





IDENTIFY CONFLICT BETWEEN HIGHER
PRIORITY RULE AND LOWER PRIORITY RULE
IN SET OF NETWORK SERVICE RULES
1002

**START** 

IF CLASS OF PACKETS ASSOCIATED WITH HIGHER PRIORITY RULE IS EQUAL TO CLASS OF PACKETS ASSOCIATED WITH LOWER PRIORITY RULE, CREATE NEW ACTION LIST FOR HIGHER PRIORITY RULE BY PREPENDING ACTION LIST OF HIGHER PRIORITY RULE TO ACTION LIST OF LOWER PRIORITY RULE 1004

IF CLASS OF PACKETS ASSOCIATED WITH HIGHER PRIORITY RULE IS SUPERSET OF CLASS OF PACKETS ASSOCIATED WITH LOWER PRIORITY RULE, PREPEND ACTION LIST OF HIGHER PRIORITY RULE TO ACTION LIST OF LOWER PRIORITY RULE 1006

IF CLASS OF PACKETS ASSOCIATED WITH LOWER PRIORITY RULE IS SUPERSET OF CLASS OF PACKETS ASSOCIATED WITH HIGHER PRIORITY RULE, APPEND ACTION LIST OF LOWER PRIORITY RULE TO ACTION LIST OF HIGHER PRIORITY RULE 1008

IF CLASS OF PACKETS ASSOCIATED WITH HIGHER PRIORITY RULE INTERSECTS CLASS OF PACKETS ASSOCIATED WITH LOWER PRIORITY RULE, CREATE NEW RULE WITH FILTER THAT DEFINES INTERSECTION OF HIGHER PRIORITY RULE AND LOWER PRIORITY RULE, AND CREATE ACTION LIST FOR NEW RULE BY PREPENDING ACTION LIST OF HIGHER PRIORITY RULE TO ACTION LIST OF LOWER PRIORITY RULE 1010

FIG. 10

END

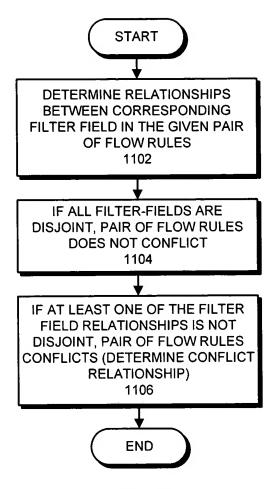


FIG. 11

f\f	EQUAL	SUBSET	SUPERSET	SUPERSET INTERSECT	DISJOINT
EQUAL	EQUAL	SUBSET	SUPERSET	INTERSECT	DISJOINT
SUBSET	SUBSET	SUBSET	INTERSECT	INTERSECT	DISJOINT
SUPERSET	SUPERSET	INTERSECT	SUPERSET	INTERSECT	DISJOINT
INTERSECT	INTERSECT	INTERSECT	INTERSECT	INTERSECT	DISJOINT
DISJOINT	DISJOINT	DISJOINT	DISJOINT	DISJOINT	DISJOINT

FIG. 12